

# California Influenza Surveillance Project

## Viral and Rickettsial Disease Laboratory

**2008-2009**

### Influenza Update – Week 48 (November 23 – November 29, 2008)

**National Influenza Activity:**

During week 48 (November 23-29, 2008), a low level of influenza activity was reported in the United States. Forty-three (2.0%) specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories, and reported to CDC/Influenza Division, were positive for influenza. The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold. The proportion of outpatient visits for influenza like illness (ILI) was below national and region-specific baseline levels. One state reported local influenza activity; Puerto Rico and 22 states reported sporadic influenza activity; and the District of Columbia and 27 states reported no influenza activity.

**California Influenza Activity:**

Influenza activity, including sentinel provider outpatient influenza-like illnesses (ILI), Kaiser Permanente P&I (pneumonia and influenza) hospitalizations and influenza laboratory tests in both Northern and Southern California, remained sporadic (defined by the CDC as “Isolated cases of lab confirmed influenza in the state, but ILI activity is not increased”).

**Kaiser Permanente inpatient, sentinel providers’ outpatient influenza-like illnesses, and Kaiser Permanente antiviral data:**

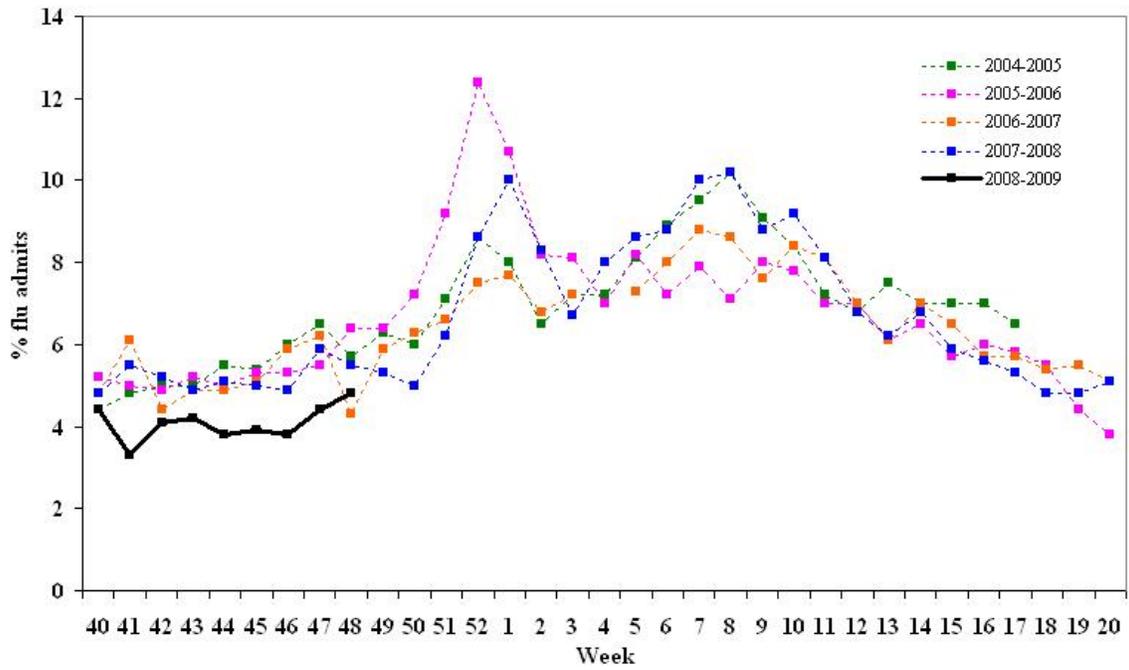
Week	Kaiser Inpatient Data % (range)*		Outpatient ILI Data %(# reported)‡	Kaiser Antiviral Data§	
	Northern CA	Southern CA		Northern CA	Southern CA
<b>48</b>	4.8 (0.9–12.5)	2.2 (0.2–5.2)	1.0 (68 reported)	46	58
<b>Previous week</b>	4.4 (1.7–9.3)	1.6 (0.3–4.2)	1.3 (84 reported)	56	64

\* “Flu admissions” are present year-round. During the off-season, these consist chiefly of pneumonia, which represents approximately 3–5% of all admissions

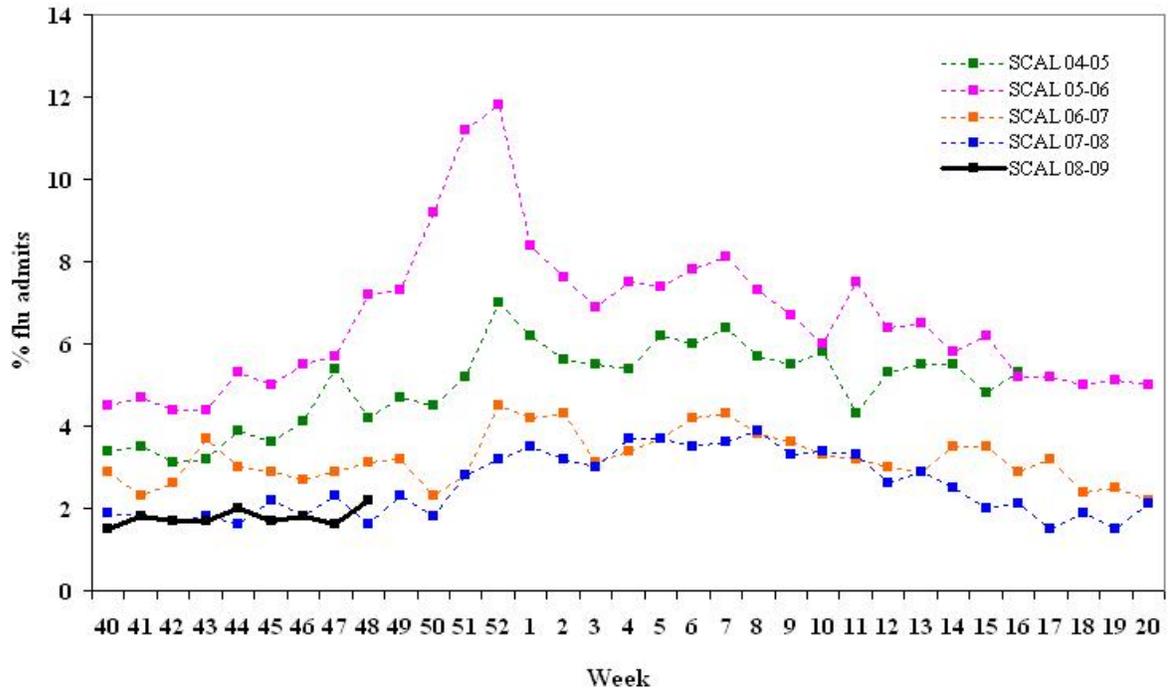
‡ The percentage of outpatient visits for influenza-like illness (ILI) is calculated by dividing the number of ILI visits by the total number of outpatient visits per week

§ The number of prescriptions filled for the antiviral drugs used for influenza (amantadine, rimantadine, zanamivir, and oseltamivir) by Kaiser outpatient pharmacies in California

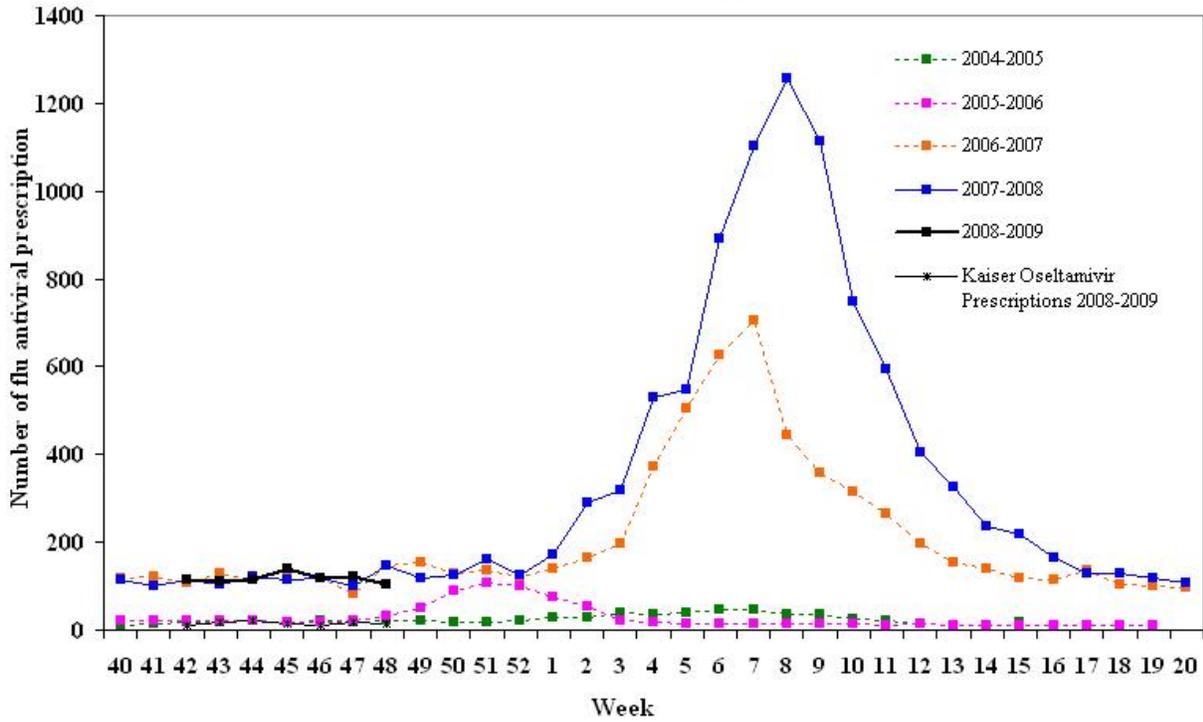
**Inpatient "Flu" Admissions 2004-2009  
Northern California Kaiser**



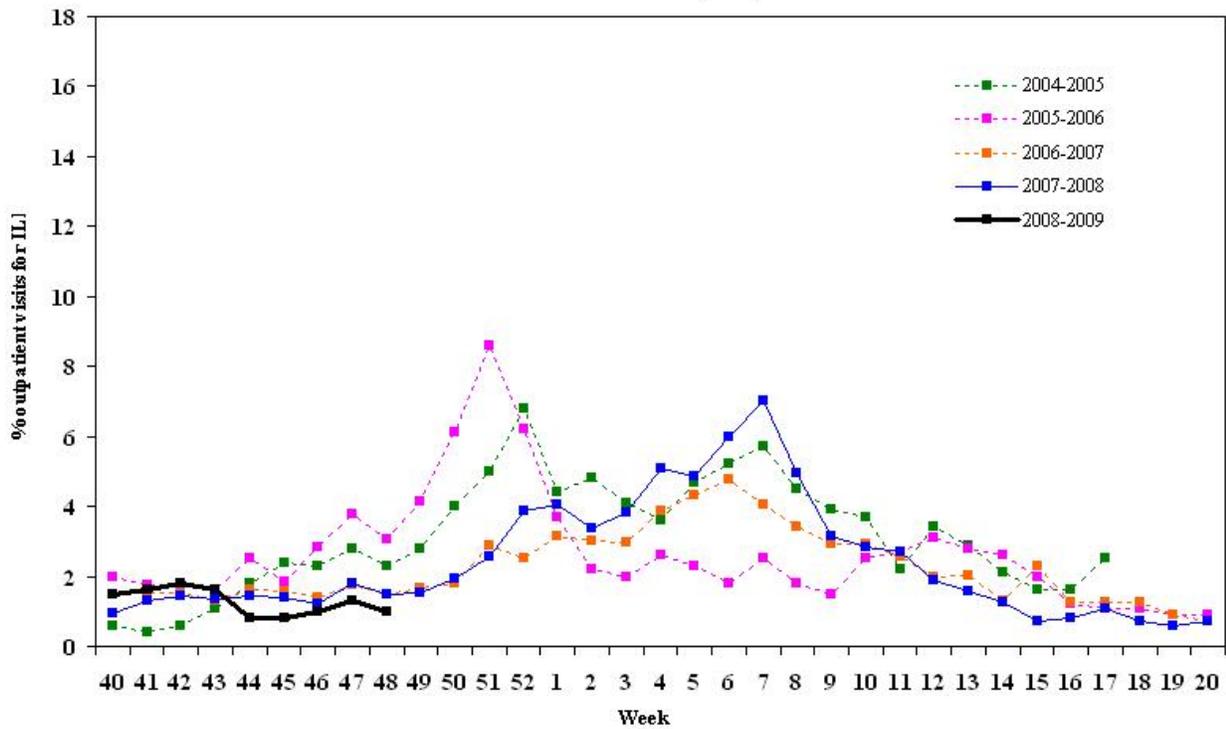
**Inpatient "Flu" Admissions 2004-2009  
Southern California Kaiser**



### Kaiser Pharmacy Data Influenza Antiviral Usage 2004-2009



### California Sentinel Providers Influenza-Like Illness (ILI) Visits 2004-2009



## Laboratory Data (viral isolation and detection)

		Sentinel Laboratories/Respiratory Laboratory Network <sup>‡</sup>	Sentinel Providers
<b>Week 48</b>	<b>Number of Sites Reporting</b>	17	26 specimens submitted through week 48 (0 pending, 1 positive by PCR)
	<b>Influenza A</b>	3 <sup>a</sup> Total to date: 14	0
	<b>Influenza B</b>	1 <sup>b</sup> Total to date: 7	1
	<b>Influenza A/B</b>	0 Total to date: 0	0
	<b>RSV</b>	66 <sup>c</sup> Total to date: 219	0
	<b>Other Respiratory Viruses</b>	8 <sup>d</sup> Total to date: 57	0

<sup>‡</sup>Sentinel laboratories are hospital, academic, private, and public health laboratories located throughout California that provide data on the number of laboratory-confirmed influenza and other respiratory virus detections and isolations. The Respiratory Laboratory Network (RLN) is a network of 23 local public health laboratories that offer enhanced diagnostic testing with the “R-mix” shell vial assay, which detects several respiratory pathogens, including influenza A and B viruses, respiratory syncytial virus, parainfluenza virus, and adenovirus. Some RLN labs also offer PCR testing for influenza A and B.

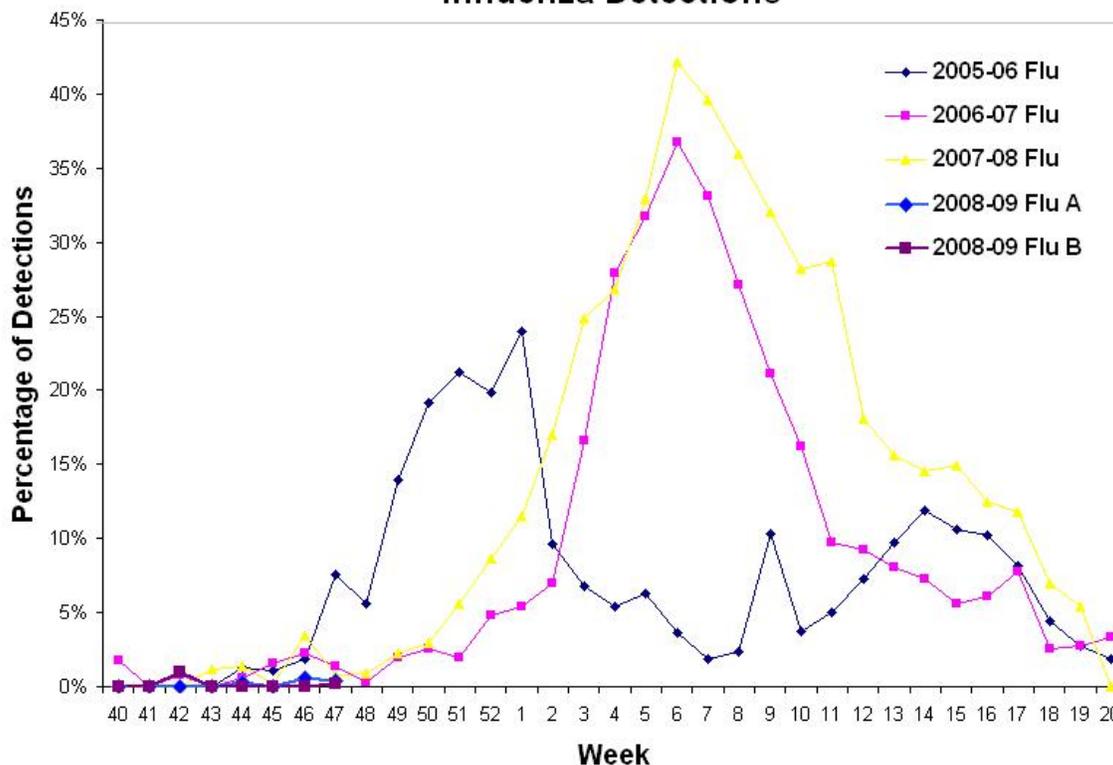
<sup>a</sup> San Diego (1); Santa Clara (2)

<sup>b</sup> Santa Clara (1)

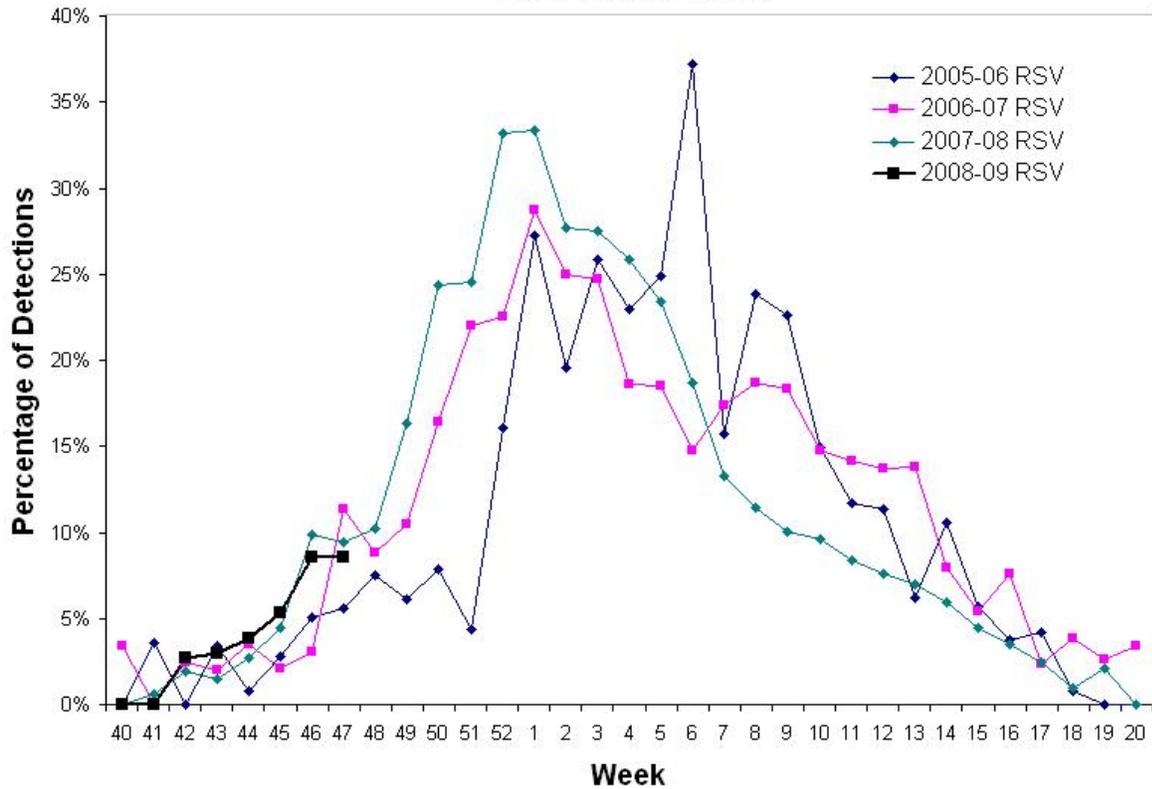
<sup>c</sup> Alameda (11); Contra Costa (3); Long Beach (11); Los Angeles (1); Sacramento (3); San Diego (6); San Francisco (5); San Mateo (2); Santa Clara (23); Solano (1)

<sup>d</sup> parainfluenza type 2 (7); adenovirus (1)

## Sentinel Laboratories/Respiratory Laboratory Network Influenza Detections



## Sentinel Laboratories/Respiratory Laboratory Network RSV Detections



### Respiratory Laboratory Network:

County Name	Rmix	PCR
Alameda	X	X
Contra Costa		X
Fresno	X	X
Humboldt		X
Imperial	X	
Long Beach	X	
Los Angeles	X	X
Monterey		X
Orange	X	X
Placer	X	X
Sacramento	X	
San Bernardino	X	X
San Diego	X	X
San Francisco	X	
San Joaquin	X	X
Santa Clara	X	X
Shasta	X	X
Solano	X	X
Sonoma	X	
Stanislaus	X	
Tulare	X	
Ventura	X	
VRDL	X	X

**Please continue to assist us in recruiting primary care providers (physicians, nurse practitioners, and physician assistants) to be sentinel physicians in your area.** For more information, contact Melissa Dahlke at [flu@cdph.ca.gov](mailto:flu@cdph.ca.gov) or 510-620-3494.

For questions about the California Influenza Surveillance Project, please contact Erica Boston ([erica.boston@cdph.ca.gov](mailto:erica.boston@cdph.ca.gov)) or Janice Louie ([janice.louie@cdph.ca.gov](mailto:janice.louie@cdph.ca.gov)).